

GLOBE-Related Presentations and Posters American Geophysical Union Fall Meeting 2022

Abstract Title	Authors	URL	Session Name	Session Type
B41A-03 - Assessing the Effects of Surface Temperature and Tree Coverage in Select Suburban Parks	Marwa Aidibi , Yasmina Abbas, Zainab Zaidan	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1066303	B41A - Advances in Characterizing and Monitoring Land Cover/Use and Associated Ecosystem Changes Using Remote Sensing Data IV Online Poster Discussion	Poster
ED11C-01 - GLOBE Mission Earth Evaluation: Strengthening the Students' Voice	Nektaria Adaktylou , Kevin Czajkowski, Peter Garik, Janet Struble, Jessica Taylor, Sara Feit, Svetlana Darche, David Padgett, Jonathan Boxerman, UrLeaka Newsome, Mary Ann Wojton	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1165262	ED11C - Sharing Best Practices for Earth and Space Science Outreach and Engagement I Online Poster Discussion	Poster
ED13B-10 - Measuring Science Literacy across an Education Collaborative	Heather Fischer , Mathew Nyman, Holly Cho, Martin Storksdieck, Nancy Staus	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1162325	ED13B - Sharing Best Practices for Earth and Space Science Outreach and Engagement II Oral	Oral
ED14A-02 - Informal STEM Learning Empowering Students to Tackle Climate Issues through GLOBE Hands-On Science in "Safe Spaces"	Svetlana Darche , Tracy Ostrom	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1073152	ED14A - Climate Empowerment: Effective Strategies to Advance Climate and Resilience Education in K-12 and Informal Learning Contexts II Online Poster Discussion	Poster
ED16A-08 - Improving Data Quality Through the GLOBE Observer Cloud Protocol Using Model Based Reasoning Techniques	John Olgin , Pennington	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1192803	ED16A - Education Research in the Earth and Space Sciences: Theoretical Foundations, Methods, and Results III Oral	Oral

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ED25A-02 - Assessing School District Readiness for Teacher Professional Development in Environmental Science Investigations	Peter Garik , Nektaria Adaktylou, Jonathan Boxerman, Svetlana Darche, Sara Feit, David Padgett, Jessica Taylor, Jennifer Bourgeault, Kevin Czajkowski, Donald DeRosa, Tracy Ostrom, Janet Struble	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1181625	ED25A - Future of NASA Science Activation: Call for Ideas for the Next 10 Years	Oral
ED25A-04 - Moving past the pandemic: engaging students in formal and informal settings to study their local environments	Kevin Czajkowski , Janet Struble, Svetlana Darche, Peter Garik, David Padgett, Evangeline Harris, Nektaria Adaktylou, Jessica Taylor, Jennifer Bourgeault	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1190094	ED25A - Future of NASA Science Activation: Call for Ideas for the Next 10 Years	Oral
ED31B-01 - Connecting Institutions and Disciplines through NASA Research Internship by Investigating Air Quality and Snow	Kaila Banister , Carrie Vuyovich, Christina Buffington, Alicia Joseph, Bonnie Murray, Carl Schmitt, Caroline Montgomery	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1168885	ED31B - Undergraduate Students Sharing in the Geosciences: Promoting Scientific Research Collaborations Across Disciplines I Online Poster Discussion	Poster
ED35C-0561 - Validation of NASA GLOBE Cloud and Temperature Observations Using Data from the Great American Solar Eclipse of 2017	MD Ishfaq Ur Rahman , Kevin Czajkowski	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1180640	ED35C - 2023 and 2024 Solar Eclipses: Prepare to Engage Your Communities III Poster	Poster
ED41A-01 - Analysis of cpA Nerve-Blocking Compounds to Inhibit Functionality of Carbon Dioxide-Sensitive Receptors in Mosquitoes	Ryan Dempsey , Sophia Bullen, Edward Thomas, Aneesh Mazumder, Danial Pitafi	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1082481	ED41A - Bright STaRS: Bright Students Training as Research Scientists I Online Poster Discussion	Poster

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ED41A-05 - The Influence of Humidity, Precipitation, and Temperature on Mosquito-borne Vectors in the United States	Dori Stein , Benjamin Folk, Mia Obid, Sidha Kunada	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1083134	ED41A - Bright STaRS: Bright Students Training as Research Scientists I Online Poster Discussion	Poster
ED41A-08 - Exploring Multiple Ways of Studying Clouds for Blind and Sighted Students Alike	Naudia Graham	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1059944	ED41A - Bright STaRS: Bright Students Training as Research Scientists I Online Poster Discussion	Poster
ED41C-02 - Method for Effective Mosquito Data Classification to Identify Potential Hosts of Malaria with AI Implications	Walker Gaines, AJ Ceasar , Rahul Gajendran, Aaron Lee, Tejas Ram, Angelina Richter, Obumneme Nwosu	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1078691	ED41C - Bright STaRS: Bright Students Training as Research Scientists III Online Poster Discussion	Poster
ED41C-03 - Predicting Mosquito Abundance in Chicago Using Remote Sensing Climate Data and Machine Learning	Sheil Dharan , Daisy Li, Alan Muller Monteiro, Giovanni Victorio	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1068346	ED41C - Bright STaRS: Bright Students Training as Research Scientists III Online Poster Discussion	Poster
ED41C-04 - The Ecological Effects of Hurricane Harvey and the Black Forest Fire on West Nile Virus	Annabel Yarborough , Mia Lagunas, Joseph Hueter	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1075742	ED41C - Bright STaRS: Bright Students Training as Research Scientists III Online Poster Discussion	Poster
ED41C-05 - The Effects of Roof Design on Mosquito Activity	Carina Galutia , Sreeharshini Kundurthi, Briana Blue, Jesus Ramos	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1069561	ED41C - Bright STaRS: Bright Students Training as Research Scientists III Online Poster Discussion	Poster
ED41D-01 - Analyzing the 2014 West Nile Virus Outbreak in Orange County	Marvel Hanna , Tristin Perkins, Catalina Barrientes	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1126107	ED41D - Bright STaRS: Bright Students Training as Research Scientists IV Online Poster Discussion	Poster

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ED41D-04 - Using GLOBE Observations to Analyze the Effect of Hurricanes on Mosquito Population Patterns	Emily Wang , Valentina Larina, Daniel Wright	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1082185	ED41D - Bright STaRS: Bright Students Training as Research Scientists IV Online Poster Discussion	Poster
ED41D-06 - How Humidity Affects My Running	Elizabeth Frantz	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1045823	ED41D - Bright STaRS: Bright Students Training as Research Scientists IV Online Poster Discussion	Poster
ED42B-0569 - A Mosquito is Worth 16x16 Larvae: Evaluation of Deep Learning Architectures for Mosquito Larvae Classification	Aswin Surya , David Backer Peral, Austin VanLoon, Akhila Rajesh	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1078420	ED42B - Bright STaRS: Bright Students Training as Research Scientists IX Poster	Poster
ED42B-0585 - Forecasting West Nile Virus Infections: A Machine-Learning Approach to Epidemiological Monitoring	Rachel Chen, Aidan Schneider , Francisco Rodriguez, Starlika Bauskar	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1082569	ED42B - Bright STaRS: Bright Students Training as Research Scientists IX Poster	Poster
ED44B-01 - A Comparative Analysis of Different Convolutional Neural Network Architectures for Mosquito Genera Classification	Dhilan Shah , Sameen Ahmad, Ankhi Banerjee, Saurav Bavdekar, Suhani Shukla, Michael Squeri, Adiana Talianova, Arav Sachdeva	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1069289	ED44B - Bright STaRS: Bright Students Training as Research Scientists VI Online Poster Discussion	Poster
ED44B-06 - MASC AI: A Novel Method for Effective Mosquito Data Classification and Mapping	Aesha Shah, Nikita Agrawal , Samhitha Duggirala, Elizabeth Gorman, William Hong, Joseph Kim, Nithin Reddy	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1081255	ED44B - Bright STaRS: Bright Students Training as Research Scientists VI Online Poster Discussion	Poster

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ED44D-05 - Predicting Volume of Mosquito Borne Diseases Using A.M.E.A. Sensor/Radio Network	Anushka Jain , Miguel Jose Bueno, James Ervin, Owen Luo, Aarnav Tendulkar	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1128927	ED44D - Bright STaRS: Bright Students Training as Research Scientists VIII Online Poster Discussion	Poster
ED44D-06 - Land Cover Verification and Error Analysis for Citizen Science Applications	Rebecca Lawton , Rhea Rai, Anahid Vicente	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1132546	ED44D - Bright STaRS: Bright Students Training as Research Scientists VIII Online Poster Discussion	Poster
ED55B-03 - GLOBE Observer's Earth System Explorers: A Scalable Virtual Internship Model to Engage Emerging Scientists in Open-Source Science	Russanne Low , Peder Nelson, Cassie Soeffing, Andrew Clark, Erika Podest, Faguni Gupta, Holly Cho, Heather Fischer, David Gosselin	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1138453	ED55B - Amazing Technologies and Capabilities That Contribute to STEAM III Oral	Oral
GH42B-02 - Citizen Science-Enabled Tools for the Global Surveillance and Control of Mosquitoes	Russanne Low , Peder Nelson, Matteo Kimura, Dan Bartlett, Conner Mapes, Johnny Uelcem, Karlene Rivera, Sriram Chellappan, Farhat Azam, Ryan Carney	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1169010	GH42B - Decision Support Applications for Public Health Surveillance Using NASA Earth Observations I Oral	Oral
H15T-1031 - Development of Low-Cost Handheld Soil Moisture Measurement Device for Farmers and Citizen Scientists	Siddhesh Mane , Anant Kanungo, Gurjeet Singh, Narendra Das	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1082943	H15T - Uncertainty and Error in Hydrological Citizen Science Observations III Poster	Poster
IN12B-0270 - A Meta-Learning Framework for Characterizing and Accessing Training Data for GLOBE Observer Program Land Cover Protocols	Xiao Huang, Di Yang , Shawna McBride, Jessica Mitchell, Peder Nelson, Russanne Low	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1123989	IN12B - AI/ML Assurance: Applications in Geospatial Sciences II Poster	Poster

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Tackling Data Quality and Interoperability Challenges in Citizen Science Datasets: Examples from the GLOBE Observer Mosquito Habitat Mapper and Land Cover Datasets (Invited)	Prachi Ingle , Matteo Kimura, Andrew Clark, Peder Nelson, Russanne Low	https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1193085	Student Engagement to Enhance Development: Outstanding Student Presentation Award Winners from Fall Meeting 2021 III Online Session	Oral